

Release notes for ENDF/B Development n-026_Fe_057
evaluation

ENDF
B-VII.dev

April 26, 2017

• psyche Errors:

1. A probability distribution is negative. This is bad.
FILE 4 / SECTION 51 / DISTRIBUTION IS NEGATIVE / FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07 (0): Neg. prob.

```
FILE 4
SECTION 51
DISTRIBUTION IS NEGATIVE
FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07
```

2. A probability distribution is negative. This is bad.
FILE 4 / SECTION 51 / DISTRIBUTION IS NEGATIVE / FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00 (0): Neg. prob.

```
FILE 4
SECTION 51
DISTRIBUTION IS NEGATIVE
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [2 more lines]
```

3. A probability distribution is negative. This is bad.
FILE 4 / SECTION 51 / DISTRIBUTION IS NEGATIVE / FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 9.8944E-06 (0): Neg. prob.

```
FILE 4
SECTION 51
DISTRIBUTION IS NEGATIVE
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 9.8944E-06
```

4. A probability distribution is negative. This is bad.
FILE 4 / SECTION 52 / DISTRIBUTION IS NEGATIVE / FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 6.6757E-06 (0): Neg. prob.

```
FILE 4
SECTION 52
DISTRIBUTION IS NEGATIVE
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 6.6757E-06
```

5. A probability distribution is negative. This is bad.
FILE 4 / SECTION 52 / DISTRIBUTION IS NEGATIVE / FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00 (0): Neg. prob.

```
FILE 4
SECTION 52
DISTRIBUTION IS NEGATIVE
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [6 more lines]
```

6. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 858 / FROM -9.9219E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 858
FROM -9.9219E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08

```

7. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 858 / FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 858
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [2 more lines]

```

8. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 232 / FROM -9.9955E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 232
FROM -9.9955E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08

```

9. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 263 / FROM -9.9542E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 263
FROM -9.9542E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08

```

10. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971 / FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.1658E-06 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 971
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.1658E-06

```

11. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971 / FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00 (0): Neg. prob.

```

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 971
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00

```

FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [5 more lines]

12. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
22B2089E2465B2066E53E2B2067E4827E5B90E2339E7B485B923E8B068287E5502B0E225B6Q2= 1-23B7080E2029E9B036.17E2B4092E2B0B3602B2B354D66E2B48B4D60230E2B7B
13. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
/ ENERGY BALANCE SUMMARY: Q = -3.07000E+06 (0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
ENERGY BALANCE SUMMARY: Q = -3.07000E+06

14. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 437 /
FROM -9.7977E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.5942E-05 (0):
Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 437
FROM -9.7977E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.5942E-05

15. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
/ FROM -9.9999E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
FROM -9.9999E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00

16. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [30 more lines]

17. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1054
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.7881E-06
(0): Neg. prob.

- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1054
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.7881E-06
18. A probability distribution is negative. This is bad.
*FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1054
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.*
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1054
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [6 more lines]
19. A probability distribution is negative. This is bad.
*FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
/ FROM -9.9997E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07
(0): Neg. prob.*
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
FROM -9.9997E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07
20. A probability distribution is negative. This is bad.
*FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.*
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [19 more lines]
21. A probability distribution is negative. This is bad.
*FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
(0): Neg. prob.*
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
ENERGY BALANCE SUMMARY: Q = -7.64600E+06 ENERGY BALANCE SUMMARY: Q = -7.64600E+06
22. A probability distribution is negative. This is bad.
*FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
/ ENERGY BALANCE SUMMARY: Q = -7.64600E+06 (0): Neg. prob.*
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
ENERGY BALANCE SUMMARY: Q = -7.64600E+06

23. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 362
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 362
ENERGY BALANCE SUMMARY: Q = -1.88430E+07      ENERGY BALANCE SUMMARY: Q = -1.88430E+07
ENERGY BALANCE SUMMARY: Q = -2.81410E+07      ENERGY BALANCE SUMMARY: Q = -2.81410E+07
```

24. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 362
/ ENERGY BALANCE SUMMARY: Q = -2.81410E+07 (0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 362
ENERGY BALANCE SUMMARY: Q = -2.81410E+07
```

25. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 450 /
FROM -9.7975E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.6001E-05 (0):
Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 450
FROM -9.7975E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.6001E-05
```

26. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 891 /
FROM -9.9219E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08 (0):
Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 891
FROM -9.9219E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-08
```

27. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 891
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 891
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [4 more lines]
```

28. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
/ FROM -9.6875E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.4901E-07
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
FROM -9.6875E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.4901E-07

29. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-06

30. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [34 more lines]

31. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
ENERGY BALANCE SUMMARY: Q = 0.00000E+00 ENERGY BALANCE SUMMARY: Q = 0.00000E+00
ENERGY BALANCE SUMMARY: Q = 1.00444E+07 ENERGY BALANCE SUMMARY: Q = 1.00444E+07
... [1 more lines]

32. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ ENERGY BALANCE SUMMARY: Q = 1.00444E+07 (0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
ENERGY BALANCE SUMMARY: Q = 1.00444E+07

33. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2054E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2054E-06

34. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1043
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.0133E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1043
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.0133E-06
```

35. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1043
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1043
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [18 more lines]
```

36. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 930
/ FROM -9.9893E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 930
FROM -9.9893E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
```

37. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 940
/ FROM -9.9934E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -8.9407E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 940
FROM -9.9934E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -8.9407E-08
```

38. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1002
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2650E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1002
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2650E-06
```

39. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1002
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1002
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [8 more lines]

40. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 4.1723E-07
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 4.1723E-07

41. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ ENERGY BALANCE SUMMARY: Q = -1.13940E+07 (0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
ENERGY BALANCE SUMMARY: Q = -1.13940E+07

42. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.0133E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.0133E-06

43. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [25 more lines]

44. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.5432E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.5432E-06

45. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1064
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [22 more lines]
```

46. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
/ FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.3842E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1074
FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.3842E-07
```

47. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1074
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [28 more lines]
```

48. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -5.9605E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1085
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -5.9605E-08
```

49. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1085
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07
```

50. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.9802E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1095
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.9802E-07
```

51. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1116
/ FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.9802E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1116
FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.9802E-07
```

52. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1116
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1116
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [16 more lines]
```

53. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1126
/ FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.8147E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1126
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 3.8147E-06
```

54. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1126
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1126
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [16 more lines]
```

55. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 961
/ FROM -9.9560E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 961
FROM -9.9560E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
```

56. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
/ FROM -9.9981E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 971
FROM -9.9981E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
```

57. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1033
/ FROM -9.2635E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1033
FROM -9.2635E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -2.9802E-08
```

58. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1043
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.0466E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1043
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.0466E-06
```

59. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.0862E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1064
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.0862E-06
```

60. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
/ FROM -9.9609E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -8.9407E-08
(0): Neg. prob.

- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
FROM -9.9609E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -8.9407E-08
61. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095 / FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.9407E-07 (0): Neg. prob.
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1095
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 8.9407E-07
62. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105 / FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.6822E-06 (0): Neg. prob.
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.6822E-06
63. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 950 / FROM -9.4623E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07 (0): Neg. prob.
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 950
FROM -9.4623E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-07
64. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 992 / FROM -8.0542E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2650E-06 (0): Neg. prob.
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 992
FROM -8.0542E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.2650E-06
65. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012 / FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.7418E-06 (0): Neg. prob.
- FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1012
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 2.7418E-06

66. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1023
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1023
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 5.9605E-07
```

67. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1023
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1023
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [8 more lines]
```

68. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1033
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.6689E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1033
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.6689E-06
```

69. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1033
/ FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1033
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
FROM -1.0000E+00 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
... [4 more lines]
```

70. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
/ FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.1921E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1074
FROM -9.3750E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.1921E-07
```

71. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1116
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1116
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07
```

72. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1126
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -5.9605E-08
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1126
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -5.9605E-08
```

73. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 971
/ FROM -9.8438E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 971
FROM -9.8438E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -0.0000E+00
```

74. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1033
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -3.2783E-07
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1033
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -3.2783E-07
```

75. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1043
/ FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.8477E-06
(0): Neg. prob.

```
FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE                      SEQUENCE NUMBER 1043
FROM -5.0000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -1.8477E-06
```

76. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.4305E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1064
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.4305E-06

77. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
/ FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-06
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1074
FROM -7.5000E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS 1.1921E-06

78. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
/ FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -3.5763E-07
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1085
FROM -8.7500E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -3.5763E-07

79. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
/ FROM -9.6875E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
FROM -9.6875E-01 TO -1.0000E+00 NEGATIVE PROBABILITY IS -4.1723E-07

80. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
(0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
ENERGY BALANCE SUMMARY: Q = -1.90900E+06 ENERGY BALANCE SUMMARY: Q = -1.90900E+06

81. A probability distribution is negative. This is bad.
FILE 6 / SECTION 5 / DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
/ ENERGY BALANCE SUMMARY: Q = -1.90900E+06 (0): Neg. prob.

FILE 6
SECTION 5
DISTRIBUTION IS NEGATIVE SEQUENCE NUMBER 1105
ENERGY BALANCE SUMMARY: Q = -1.90900E+06

- fudge-4.0 Warnings:

1. FIXME: Another genuine fudge bug!
(Error # 2): *Fudge check bug*

FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE list index out of rangelist index out of range

- fudge-4.0 Errors:

1. Exception IndexError was thrown
FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE list index out of rangelist index out of range (Error # 1): IndexError

IndexError: list index out of range

- njoy2012 Warnings:

1. Evaluation has no unresolved resonance parameters given
unresr...calculation of unresolved resonance cross sections (0): No URR

---message from unresr---mat 2634 has no unresolved parameters
copy as is to nout

2. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (0): HEATR/hinit (4)

---message from hinit---mf6, mt102 does not give recoil za= 26058
photon momentum recoil used.

3. Evaluation has no unresolved resonance parameters given
purrr...probabalistic unresolved calculation (0): No URR

---message from purrr---mat 2634 has no unresolved parameters
copy as is to nout

- njoy2012 Errors:

1. An angular distribution is negative
acer...monte carlo neutron and photon data (0): Neg. P(Ejμ) (b)

---message from ptleg2---negative probs found
38 for mt= 51 e= 1.200E+08

2. An angular distribution is negative
acer...monte carlo neutron and photon data (1): Neg. P(Ejμ) (b)

---message from ptleg2---negative probs found
18 for mt= 51 e= 1.300E+08

3. An angular distribution is negative
acer...monte carlo neutron and photon data (2): Neg. P(Ejμ) (b)

---message from ptleg2---negative probs found
92 for mt= 51 e= 1.400E+08

4. An angular distribution is negative
acer...monte carlo neutron and photon data (3): Neg. P(Ejμ) (b)

- message from ptleg2---negative probs found
90 for mt= 51 e= 1.500E+08
5. An angular distribution is negative
acer...monte carlo neutron and photon data (4): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
2 for mt= 52 e= 7.500E+07
6. An angular distribution is negative
acer...monte carlo neutron and photon data (5): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
3 for mt= 52 e= 1.200E+08
7. An angular distribution is negative
acer...monte carlo neutron and photon data (6): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
65 for mt= 52 e= 1.300E+08
8. An angular distribution is negative
acer...monte carlo neutron and photon data (7): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
90 for mt= 52 e= 1.400E+08
9. An angular distribution is negative
acer...monte carlo neutron and photon data (8): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
33 for mt= 52 e= 1.500E+08
10. An angular distribution is negative
acer...monte carlo neutron and photon data (9): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
4 for mt= 54 e= 1.500E+08
11. An angular distribution is negative
acer...monte carlo neutron and photon data (10): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
23 for mt= 56 e= 1.500E+08
12. An angular distribution is negative
acer...monte carlo neutron and photon data (11): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
2 for mt= 57 e= 5.500E+07
13. An angular distribution is negative
acer...monte carlo neutron and photon data (12): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
2 for mt= 5 e= 6.685E+01

14. An angular distribution is negative
acer...monte carlo neutron and photon data (13): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      1 for mt=  5 e= 1.146E+02

```
15. An angular distribution is negative
acer...monte carlo neutron and photon data (14): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      4 for mt=  5 e= 1.254E+02

```
16. An angular distribution is negative
acer...monte carlo neutron and photon data (15): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      2 for mt= 16 e= 6.685E+01

```
17. An angular distribution is negative
acer...monte carlo neutron and photon data (16): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
     18 for mt= 16 e= 5.832E+01

```
18. An angular distribution is negative
acer...monte carlo neutron and photon data (17): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      2 for mt= 16 e= 6.531E+01

```
19. An angular distribution is negative
acer...monte carlo neutron and photon data (18): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      1 for mt= 16 e= 8.587E+01

```
20. An angular distribution is negative
acer...monte carlo neutron and photon data (19): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      3 for mt= 16 e= 8.883E+01

```
21. An angular distribution is negative
acer...monte carlo neutron and photon data (20): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      3 for mt= 16 e= 1.025E+02

```
22. An angular distribution is negative
acer...monte carlo neutron and photon data (21): Neg. $P(Ej\mu)$ (b)

```

---message from ptleg2---negative probs found
      2 for mt= 16 e= 1.124E+02

```
23. An angular distribution is negative
acer...monte carlo neutron and photon data (22): Neg. $P(Ej\mu)$ (b)

- message from ptleg2---negative probs found
1 for mt= 16 e= 1.157E+02
24. An angular distribution is negative
acer...monte carlo neutron and photon data (23): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
1 for mt= 16 e= 1.179E+02
25. An angular distribution is negative
acer...monte carlo neutron and photon data (24): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
1 for mt= 16 e= 1.100E+02
26. An angular distribution is negative
acer...monte carlo neutron and photon data (25): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
5 for mt= 16 e= 1.163E+02
27. An angular distribution is negative
acer...monte carlo neutron and photon data (26): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
1 for mt= 16 e= 1.239E+02
28. An angular distribution is negative
acer...monte carlo neutron and photon data (27): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
2 for mt= 16 e= 1.264E+02
29. An angular distribution is negative
acer...monte carlo neutron and photon data (28): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
2 for mt= 16 e= 1.277E+02
30. An angular distribution is negative
acer...monte carlo neutron and photon data (29): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
50 for mt= 16 e= 1.290E+02
31. An angular distribution is negative
acer...monte carlo neutron and photon data (30): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
1 for mt= 16 e= 1.340E+02
32. An angular distribution is negative
acer...monte carlo neutron and photon data (31): Neg. $P(Ej\mu)$ (b)
- message from ptleg2---negative probs found
18 for mt= 17 e= 5.832E+01

33. An angular distribution is negative
acer...monte carlo neutron and photon data (32): Neg. $P(Ej\mu)$ (b)
- ```

---message from ptleg2---negative probs found
 2 for mt= 17 e= 6.531E+01

```
34. An angular distribution is negative  
*acer...monte carlo neutron and photon data (33): Neg.  $P(Ej\mu)$  (b)*
- ```

---message from ptleg2---negative probs found
      1 for mt= 17 e= 8.271E+01

```
35. An angular distribution is negative
acer...monte carlo neutron and photon data (34): Neg. $P(Ej\mu)$ (b)
- ```

---message from ptleg2---negative probs found
 1 for mt= 17 e= 9.597E+01

```
36. An angular distribution is negative  
*acer...monte carlo neutron and photon data (35): Neg.  $P(Ej\mu)$  (b)*
- ```

---message from ptleg2---negative probs found
      1 for mt= 17 e= 1.189E+02

```
37. An angular distribution is negative
acer...monte carlo neutron and photon data (36): Neg. $P(Ej\mu)$ (b)
- ```

---message from ptleg2---negative probs found
 2 for mt= 91 e= 6.685E+01

```
38. An angular distribution is negative  
*acer...monte carlo neutron and photon data (37): Neg.  $P(Ej\mu)$  (b)*
- ```

---message from ptleg2---negative probs found
     18 for mt= 91 e= 5.832E+01

```
39. An angular distribution is negative
acer...monte carlo neutron and photon data (38): Neg. $P(Ej\mu)$ (b)
- ```

---message from ptleg2---negative probs found
 2 for mt= 91 e= 6.531E+01

```
40. An angular distribution is negative  
*acer...monte carlo neutron and photon data (39): Neg.  $P(Ej\mu)$  (b)*
- ```

---message from ptleg2---negative probs found
      1 for mt= 91 e= 8.923E+01

```
41. An angular distribution is negative
acer...monte carlo neutron and photon data (40): Neg. $P(Ej\mu)$ (b)
- ```

---message from ptleg2---negative probs found
 1 for mt= 91 e= 8.271E+01

```
42. An angular distribution is negative  
*acer...monte carlo neutron and photon data (41): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
2 for mt= 91 e= 8.372E+01
43. An angular distribution is negative  
*acer...monte carlo neutron and photon data (42): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 91 e= 9.597E+01
44. An angular distribution is negative  
*acer...monte carlo neutron and photon data (43): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 91 e= 9.700E+01
45. An angular distribution is negative  
*acer...monte carlo neutron and photon data (44): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt= 91 e= 1.157E+02
46. An angular distribution is negative  
*acer...monte carlo neutron and photon data (45): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 91 e= 1.212E+02
47. An angular distribution is negative  
*acer...monte carlo neutron and photon data (46): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 91 e= 1.053E+02
48. An angular distribution is negative  
*acer...monte carlo neutron and photon data (47): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.136E+02
49. An angular distribution is negative  
*acer...monte carlo neutron and photon data (48): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
7 for mt= 91 e= 1.160E+02
50. An angular distribution is negative  
*acer...monte carlo neutron and photon data (49): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.171E+02
51. An angular distribution is negative  
*acer...monte carlo neutron and photon data (50): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
4 for mt= 91 e= 1.231E+02

52. An angular distribution is negative  
*acer...monte carlo neutron and photon data (51): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.163E+02
53. An angular distribution is negative  
*acer...monte carlo neutron and photon data (52): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt= 91 e= 1.176E+02
54. An angular distribution is negative  
*acer...monte carlo neutron and photon data (53): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.227E+02
55. An angular distribution is negative  
*acer...monte carlo neutron and photon data (54): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
6 for mt= 91 e= 1.239E+02
56. An angular distribution is negative  
*acer...monte carlo neutron and photon data (55): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt= 91 e= 1.252E+02
57. An angular distribution is negative  
*acer...monte carlo neutron and photon data (56): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 91 e= 1.264E+02
58. An angular distribution is negative  
*acer...monte carlo neutron and photon data (57): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
8 for mt= 91 e= 1.277E+02
59. An angular distribution is negative  
*acer...monte carlo neutron and photon data (58): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.302E+02
60. An angular distribution is negative  
*acer...monte carlo neutron and photon data (59): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt= 91 e= 1.315E+02
61. An angular distribution is negative  
*acer...monte carlo neutron and photon data (60): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
19 for mt= 91 e= 1.328E+02
62. An angular distribution is negative  
*acer...monte carlo neutron and photon data (61): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 91 e= 1.340E+02
63. An angular distribution is negative  
*acer...monte carlo neutron and photon data (62): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt=111 e= 8.097E+01
64. An angular distribution is negative  
*acer...monte carlo neutron and photon data (63): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt=111 e= 1.031E+02
65. An angular distribution is negative  
*acer...monte carlo neutron and photon data (64): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
39 for mt=111 e= 1.039E+02
66. An angular distribution is negative  
*acer...monte carlo neutron and photon data (65): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=111 e= 1.091E+02
67. An angular distribution is negative  
*acer...monte carlo neutron and photon data (66): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
44 for mt=111 e= 1.113E+02
68. An angular distribution is negative  
*acer...monte carlo neutron and photon data (67): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
50 for mt=111 e= 1.124E+02
69. An angular distribution is negative  
*acer...monte carlo neutron and photon data (68): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
43 for mt=111 e= 1.160E+02
70. An angular distribution is negative  
*acer...monte carlo neutron and photon data (69): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
7 for mt=111 e= 1.172E+02



71. An angular distribution is negative  
*acer...monte carlo neutron and photon data (70): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
86 for mt=111 e= 1.183E+02
72. An angular distribution is negative  
*acer...monte carlo neutron and photon data (71): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
24 for mt=111 e= 1.195E+02
73. An angular distribution is negative  
*acer...monte carlo neutron and photon data (72): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
24 for mt=111 e= 1.207E+02
74. An angular distribution is negative  
*acer...monte carlo neutron and photon data (73): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
61 for mt=111 e= 1.219E+02
75. An angular distribution is negative  
*acer...monte carlo neutron and photon data (74): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
45 for mt=111 e= 1.231E+02
76. An angular distribution is negative  
*acer...monte carlo neutron and photon data (75): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=111 e= 1.138E+02
77. An angular distribution is negative  
*acer...monte carlo neutron and photon data (76): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=111 e= 1.151E+02
78. An angular distribution is negative  
*acer...monte carlo neutron and photon data (77): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
29 for mt=111 e= 1.201E+02
79. An angular distribution is negative  
*acer...monte carlo neutron and photon data (78): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
42 for mt=111 e= 1.214E+02
80. An angular distribution is negative  
*acer...monte carlo neutron and photon data (79): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
30 for mt=111 e= 1.227E+02
81. An angular distribution is negative  
*acer...monte carlo neutron and photon data (80): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
59 for mt=111 e= 1.239E+02
82. An angular distribution is negative  
*acer...monte carlo neutron and photon data (81): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
44 for mt=111 e= 1.252E+02
83. An angular distribution is negative  
*acer...monte carlo neutron and photon data (82): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
20 for mt=111 e= 1.265E+02
84. An angular distribution is negative  
*acer...monte carlo neutron and photon data (83): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
19 for mt=111 e= 1.290E+02
85. An angular distribution is negative  
*acer...monte carlo neutron and photon data (84): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
16 for mt=111 e= 1.302E+02
86. An angular distribution is negative  
*acer...monte carlo neutron and photon data (85): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
24 for mt=111 e= 1.315E+02
87. An angular distribution is negative  
*acer...monte carlo neutron and photon data (86): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
24 for mt=111 e= 1.328E+02
88. An angular distribution is negative  
*acer...monte carlo neutron and photon data (87): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=649 e= 8.931E+01
89. An angular distribution is negative  
*acer...monte carlo neutron and photon data (88): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
51 for mt=649 e= 9.188E+01

90. An angular distribution is negative  
*acer...monte carlo neutron and photon data (89): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
33 for mt=649 e= 9.274E+01
91. An angular distribution is negative  
*acer...monte carlo neutron and photon data (90): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
46 for mt=649 e= 9.681E+01
92. An angular distribution is negative  
*acer...monte carlo neutron and photon data (91): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
55 for mt=649 e= 9.869E+01
93. An angular distribution is negative  
*acer...monte carlo neutron and photon data (92): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
36 for mt=649 e= 9.963E+01
94. An angular distribution is negative  
*acer...monte carlo neutron and photon data (93): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
55 for mt=649 e= 1.006E+02
95. An angular distribution is negative  
*acer...monte carlo neutron and photon data (94): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
37 for mt=649 e= 1.015E+02
96. An angular distribution is negative  
*acer...monte carlo neutron and photon data (95): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt=649 e= 1.021E+02
97. An angular distribution is negative  
*acer...monte carlo neutron and photon data (96): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
42 for mt=649 e= 1.031E+02
98. An angular distribution is negative  
*acer...monte carlo neutron and photon data (97): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
23 for mt=649 e= 1.041E+02
99. An angular distribution is negative  
*acer...monte carlo neutron and photon data (98): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
73 for mt=649 e= 1.052E+02
100. An angular distribution is negative  
*acer...monte carlo neutron and photon data (99): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
47 for mt=649 e= 1.062E+02
101. An angular distribution is negative  
*acer...monte carlo neutron and photon data (100): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
31 for mt=649 e= 1.072E+02
102. An angular distribution is negative  
*acer...monte carlo neutron and photon data (101): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
8 for mt=649 e= 1.082E+02
103. An angular distribution is negative  
*acer...monte carlo neutron and photon data (102): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
41 for mt=649 e= 1.092E+02
104. An angular distribution is negative  
*acer...monte carlo neutron and photon data (103): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
52 for mt=649 e= 1.103E+02
105. An angular distribution is negative  
*acer...monte carlo neutron and photon data (104): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
103 for mt=649 e= 1.113E+02
106. An angular distribution is negative  
*acer...monte carlo neutron and photon data (105): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=649 e= 1.025E+02
107. An angular distribution is negative  
*acer...monte carlo neutron and photon data (106): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt=649 e= 1.036E+02
108. An angular distribution is negative  
*acer...monte carlo neutron and photon data (107): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt=649 e= 1.102E+02

109. An angular distribution is negative  
*acer...monte carlo neutron and photon data (108): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
61 for mt=649 e= 1.113E+02
110. An angular distribution is negative  
*acer...monte carlo neutron and photon data (109): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
16 for mt=649 e= 1.124E+02
111. An angular distribution is negative  
*acer...monte carlo neutron and photon data (110): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
49 for mt=649 e= 1.135E+02
112. An angular distribution is negative  
*acer...monte carlo neutron and photon data (111): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
25 for mt=649 e= 1.146E+02
113. An angular distribution is negative  
*acer...monte carlo neutron and photon data (112): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
10 for mt=649 e= 1.157E+02
114. An angular distribution is negative  
*acer...monte carlo neutron and photon data (113): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
32 for mt=649 e= 1.168E+02
115. An angular distribution is negative  
*acer...monte carlo neutron and photon data (114): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
48 for mt=649 e= 1.179E+02
116. An angular distribution is negative  
*acer...monte carlo neutron and photon data (115): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
31 for mt=649 e= 1.190E+02
117. An angular distribution is negative  
*acer...monte carlo neutron and photon data (116): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
115 for mt=649 e= 1.201E+02
118. An angular distribution is negative  
*acer...monte carlo neutron and photon data (117): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
26 for mt=649 e= 1.212E+02
119. An angular distribution is negative  
*acer...monte carlo neutron and photon data (118): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt=649 e= 1.101E+02
120. An angular distribution is negative  
*acer...monte carlo neutron and photon data (119): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
21 for mt=649 e= 1.148E+02
121. An angular distribution is negative  
*acer...monte carlo neutron and photon data (120): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
73 for mt=649 e= 1.160E+02
122. An angular distribution is negative  
*acer...monte carlo neutron and photon data (121): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
56 for mt=649 e= 1.172E+02
123. An angular distribution is negative  
*acer...monte carlo neutron and photon data (122): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
36 for mt=649 e= 1.183E+02
124. An angular distribution is negative  
*acer...monte carlo neutron and photon data (123): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
43 for mt=649 e= 1.195E+02
125. An angular distribution is negative  
*acer...monte carlo neutron and photon data (124): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
56 for mt=649 e= 1.207E+02
126. An angular distribution is negative  
*acer...monte carlo neutron and photon data (125): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
10 for mt=649 e= 1.219E+02
127. An angular distribution is negative  
*acer...monte carlo neutron and photon data (126): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
29 for mt=649 e= 1.231E+02

128. An angular distribution is negative  
*acer...monte carlo neutron and photon data (127): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
23 for mt=649 e= 1.243E+02
129. An angular distribution is negative  
*acer...monte carlo neutron and photon data (128): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
25 for mt=649 e= 1.254E+02
130. An angular distribution is negative  
*acer...monte carlo neutron and photon data (129): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
31 for mt=649 e= 1.266E+02
131. An angular distribution is negative  
*acer...monte carlo neutron and photon data (130): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
19 for mt=649 e= 1.290E+02
132. An angular distribution is negative  
*acer...monte carlo neutron and photon data (131): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
28 for mt=649 e= 1.302E+02
133. An angular distribution is negative  
*acer...monte carlo neutron and photon data (132): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
68 for mt=649 e= 1.314E+02
134. An angular distribution is negative  
*acer...monte carlo neutron and photon data (133): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt=649 e= 1.189E+02
135. An angular distribution is negative  
*acer...monte carlo neutron and photon data (134): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
40 for mt=649 e= 1.201E+02
136. An angular distribution is negative  
*acer...monte carlo neutron and photon data (135): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
43 for mt=649 e= 1.214E+02
137. An angular distribution is negative  
*acer...monte carlo neutron and photon data (136): Neg.  $P(Ej\mu)$  (b)*

- message from ptleg2---negative probs found  
30 for mt=649 e= 1.227E+02
138. An angular distribution is negative  
*acer...monte carlo neutron and photon data (137): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
22 for mt=649 e= 1.239E+02
139. An angular distribution is negative  
*acer...monte carlo neutron and photon data (138): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
10 for mt=649 e= 1.252E+02
140. An angular distribution is negative  
*acer...monte carlo neutron and photon data (139): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
23 for mt=649 e= 1.265E+02
141. An angular distribution is negative  
*acer...monte carlo neutron and photon data (140): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
37 for mt=649 e= 1.277E+02
142. An angular distribution is negative  
*acer...monte carlo neutron and photon data (141): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
31 for mt=649 e= 1.290E+02
143. An angular distribution is negative  
*acer...monte carlo neutron and photon data (142): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
28 for mt=649 e= 1.302E+02
144. An angular distribution is negative  
*acer...monte carlo neutron and photon data (143): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
27 for mt=649 e= 1.315E+02
145. An angular distribution is negative  
*acer...monte carlo neutron and photon data (144): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
39 for mt=649 e= 1.328E+02
146. An angular distribution is negative  
*acer...monte carlo neutron and photon data (145): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
28 for mt=649 e= 1.340E+02



147. An angular distribution is negative  
*acer...monte carlo neutron and photon data (146): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
31 for mt=649 e= 1.353E+02
148. An angular distribution is negative  
*acer...monte carlo neutron and photon data (147): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
11 for mt=649 e= 1.366E+02
149. An angular distribution is negative  
*acer...monte carlo neutron and photon data (148): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
78 for mt=649 e= 1.378E+02
150. An angular distribution is negative  
*acer...monte carlo neutron and photon data (149): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
29 for mt=649 e= 1.391E+02
151. An angular distribution is negative  
*acer...monte carlo neutron and photon data (150): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
13 for mt=649 e= 1.404E+02
152. An angular distribution is negative  
*acer...monte carlo neutron and photon data (151): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
4 for mt= 5 e= 9.335E+01
153. An angular distribution is negative  
*acer...monte carlo neutron and photon data (152): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
1 for mt= 5 e= 9.347E+01
154. An angular distribution is negative  
*acer...monte carlo neutron and photon data (153): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
3 for mt= 5 e= 1.036E+02
155. An angular distribution is negative  
*acer...monte carlo neutron and photon data (154): Neg.  $P(Ej\mu)$  (b)*
- message from ptleg2---negative probs found  
2 for mt= 5 e= 1.059E+02
156. An angular distribution is negative  
*acer...monte carlo neutron and photon data (155): Neg.  $P(Ej\mu)$  (b)*

```

---message from ptleg2---negative probs found
 1 for mt= 5 e= 1.095E+02

```

157. An angular distribution is negative  
*acer...monte carlo neutron and photon data (156): Neg.  $P(Ej\mu)$  (b)*

```

---message from ptleg2---negative probs found
 50 for mt= 5 e= 1.131E+02

```

• **acelst** Warnings:

1. The incident energy grid is not monotonic for this angular distribution  
*0: Bad Ang. Dist.*

```

ACELST WARNING - Processing Ang.Dist.MT 2
 E-grid non-monotonic 3.800000000E+01 3.800000000E+01

```